AMENDMENTS TO THE CLAIMS

1.   (currently amended) A program executing method to execute a program written in an interpreter language, comprising the steps of:

extracting reference data comprising a first and second reference data, said reference data is used for specifying a location to be accessed in a memory, and resolving a reference using said reference data, said first reference data comprising a resolved class related reference data and said second reference data comprising an index to a resolved field related reference data;

storing result data of said resolved reference linking to said program ~~through~~ ~~said reference data~~ in the code entry specified by the instruction, said two steps of extracting and storing being executed before said program is executed; and

specifying a location in said memory to be accessed based on said result data of said resolved reference linking to said program through said reference data, when said program is executed which requires to access said memory.

2.   (currently amended) An information processing device provided with a program written in an interpreter language, comprising:

a storing means to store result data of a resolved reference linking to said program ~~through a reference data~~ in a code data entry specified by an instruction, wherein reference data used to obtain the result data comprises ~~comprising~~ a first and second reference data, at least one of said reference data to specify a location in a memory to be accessed, wherein said first reference data is

determined based on class data and said second reference data comprises an index value for one or more field data;

a program executing means to execute said program, which specifies said location in said memory to be accessed based on said result data of said resolved reference linking to said program through said reference data, when said program is executed which requires access to said memory.

3.   (currently amended) The An information processing device of according to claim 2, wherein said program comprises an object program in byte code and data which represent the content of reference data linked to said program, and said program executing means stores said result data of said resolved reference in a link information provided for linking to said object program.

4.   (currently amended) The An information processing device of according to claim 3, wherein said link information provided for linking to said object program contains code data of a number of fixed lengths, and said result data of said resolved reference is stored in a predetermined location in a head code data.

5.   (currently amended) The An information processing device of according to claim 4, wherein said object program and said link information are read out of a ROM at the time of executing said program.

Claims 6-10. (canceled)

11.   (currently amended) The [[A]]program executing method of according to claim 1, wherein said reference data further comprises a third reference data.

12.   (currently amended) The [[A]]program executing method of according to claim 11, wherein said third reference data comprises a method related reference data.

13.   (currently amended) The [[A]]program executing method of according to claim 12, wherein said method related reference data comprises an index for a method table.

14.   (canceled)

15.   (currently amended) The An information processing device of according to claim 2, wherein said first reference data comprises at least one resolved class table index data.

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16.   (currently amended) The ~~An~~ information processing device of ~~according to~~ claim 2, further comprising a third reference data, said third reference data comprising a first data structure for storing character data and a second data structure for storing data indicating a position within said first data structure for storing character data.

17.   (currently amended) The [[A]]program executing method of ~~according to~~ claim 2, wherein said reference data further comprises a third reference data.

18.   (currently amended) The ~~An~~ information processing device of ~~according to~~ claim 3, wherein said link information comprises a plurality of reference data structures, each of said data structures comprise at least one fixed length code data, and said result data of said resolved reference is stored in a predetermined location in a head code data of at least one of said plurality of reference data structures.

19.   (currently amended) The ~~An~~ information processing device of ~~according to~~ claim 3, wherein said link information provided for linking to said object program contains code data of a number of fixed lengths, and said result data of said resolved reference is stored in a predetermined location in a head code data portion of said link information.

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